



AMENDMENTS TO THE SPECIFICATION

Please insert the following paragraphs after the paragraph which ends on line 3, page 19:

The nucleotide sequence (SEQ ID NO:185) having GenBank accession number L32836 (Mus musculus) is:

```

1 ccagcatgtc tgataaaactg ccctacaaaag tcgcggacat cggactggcc gcctggggac
61 ggaaggctct ggatatagct gagaatgaga tgccaggatt gatgcgcatt cgggagatgt
121 actcagcctc caagccactg aagggtgctc gcattgctgg ctgcctgcac atgaccgtgg
181 agactgctgt tctcattgag actctcgtgg ccctgggtgc tgagggtgcg tgggtccagct
241 gcaacatctt ctctactcag gaccatgcag cggctgccat tgccaaggct ggcattccag
301 tgtttgcctg gaagggcgag acagatgagg agtacctgtg gtgcattgag cagacgctgc
361 acttcaagga cggacccctc aacatgattc tggatgatgg tggtgacctt actaacctca
421 tccacaccaa ataccacag cttctgtcag gcatccgagg tatctctgag gagaccacga
481 ctgggggtcca caacctctac aagatgatgt ccaatgggat actgaacgtg cctgccatca
541 atgtcaacga ttctgtcacc aagagcaagt ttgacaacct ctatggctgc cgggagtgccc
601 tcatagatgg catcaaacgg gccacagatg tgatgattgc gggcaagggtg gcggtgggtg
661 caggctatgg tgatgtgggc aagggtgtg cccaggccct gaggggtttt gggggccgag
721 tcatcatcac cgagatcgac cccatcaatg cactgcaagc tgccatggag ggctatgagg
781 taaccactat ggacgaagcc tgtaaggagg gcaacatctt tgtcaccacc acaggctgtg
841 tggatatcat ccttggccgg cactttgagc agatgaagga tgacgccatt gtctgtaaca
901 ttggacactt cgatgtggag attgatgtga agtggctcaa tgagaacgcg gtggagaaag
961 tgaacatcaa gcccaggtg gaccgtact ggctaaagaa tgggcgcccgc atcatcttgc
1021 tggctgaagg ccgtctggtc aacctgggtt gtgccatggg acaccccagc ttcgtgatga
1081 gcaactcctt cacaaaaccg gtgatggcac agattgagct gtggaccac ccagataaat
1141 accctgttgg ggttcacttc ctgcctaaga agctggatga ggcggtggct gaagcccacc
1201 tgggcaagct gaatgtgaag ctgaccaagc tgactgagaa gcaagcccag tacctgggca
1261 tgcccatcaa cggccccttc aagcctgatc actaccgcta ctgagagctg gggctgtcct
1321 tcaccttcca gctgccatcc aagttccggg cccacctctc gtccccaaga gccaatgtca
1381 ccaactttgt ggtagtttg cctgtgttct gatccgtccc ccgcccccca tcctcactgt
1441 ggctggtcac tccgtcttgg gcctctgctg caccctcat actgttccat atgtggcatc
1501 gagaacagag agaggtagct ggtaggcac cacaggggac atgatctcag aagtcttggg
1561 agtcctgagg ctggatgttg ctagtgatgg tcacaagcca tgcaccttat cattgatacc
1621 ctcaacttgg cttagatct gtgtgctgg tttgcagatc cattggtttc tcagtccagg
1681 acccaagaac gagctccacc aaagagcagg aaccctgga gtttgaaggc ccccgagagc
1741 tgggcctttt tactgttggg cagtctctta aacctcatga tactgagttg gtactttttt
1801 tggtccttat ttcacaaggg ttcaggatag attaaccaag aaaggacaag tgacagactg
1861 aaaggggctg gaaaacaaga ggaaaggcct gtcactgtat agttgatggg tcctgtcaca
1921 agccaggtc acaaacagat taatttgttt tataatgttt atatgctatt tagaatgtta
1981 acaaagggaag gtggataaaa tacagtcttct actgcctaaa gaattttggc tctattaaaa
2041 tgtaagtgtg tggctgg

```

The nucleotide sequence (SEQ ID NO:186) having GenBank accession number M15185

(Rat) is:

```

1  ctactcttag  cggacttcgc  cagcatggct  gataaactgc  cctacaaagt  cgcggacatt
61  ggactggctg  cctggggagc  gaaggccctg  gacatagctg  agaacgagat  gccaggtttg
121 atgcgcatgc  gggagatgta  ctacagcctc  aagccactga  agggcgctcg  cattgctggc
181 tgcctgcaca  tgactgtgga  gactgctgtc  ctcatgaga  ctctcgctgg  cctgggtgct
241 gaggtgcggt  ggtccagctg  caacatcttc  tccactcagg  accatgcagc  ggctgccatt
301 gccaaggctg  gcattccagt  gtttgcctgg  aagggagaga  cggatgaaga  gtacctgtgg
361 tgcattgagc  agacgttgca  cttcaaggac  ggaccctca  acatgattct  ggatgatggc
421 ggtgacctta  ctaacctcat  ccacaccaa  caccacagc  ttctgtcagg  catccgaggt
481 atctctgagg  agaccacgac  tggcgtccac  aacctctaca  agatgatggc  caatgggata
541 ctgaaggctg  ctgccatcaa  cgtcaacgat  tctgtcacca  agagcaagtt  tgacaacctc
601 tatggctgcc  gggagtccct  catagatggc  atcaaacggg  caacagatgt  gatgattgcg
661 ggcaaggctg  cagtggtagc  aggctatgg  gatgtgggca  agggttgtgc  ccaggccctg
721 cggggtttcg  gggcccgagt  catcatcacc  gagattgacc  ccatcaatgc  actgcaagct
781 gccatggagg  gctacgaggt  aaccaccatg  gacgaggcct  gtaaggaggg  caacatcttt
841 gtgaccacca  cgggctgtgt  tgatatcatc  cttggtcggc  actttgaaca  gatgaaggat
901 gatgccattg  tctgtaacat  tggacacttc  gacgtggaga  ttgatgtgaa  gtggctcaat
961 gagaacgctg  tggagaagg  gaacatcaag  cccaggtgg  accgctactt  gctaaagaat
1021 gggcaccgca  tcatcttgct  ggctgagggc  cgtctggtca  acctgggttg  tgccatgggc
1081 caccacagct  tcgtgatgag  caactccttc  acaaaccagg  tgatggcaca  gattgagctg
1141 tggaccacc  cagacaaata  ccccggtggg  gttcacttcc  tgcctaagaa  gctggatgag
1201 gcagtggctg  aagcccacct  gggcaagctg  aacgtcaagc  tgaccaagct  gactgagaag
1261 caggctcagt  acctgggcat  gccattaac  ggccccttca  agcctgatca  ctaccgctac
1321 tgagagctgg  gactgccctt  caccttcag  ctgccatcct  tgttccaggc  cctacctctc
1381 gttcccaaga  gcaaagtca  ccaactttgc  agttacttct  ccggtgttct  gctccctccc
1441 ccggccctca  tccacactgt  gactggtctt  tctgtctttg  gcttctgctg  taccctcat
1501 actgttccct  atgtggcata  gagaacagag  aggtacctgg  gaggcacca  caggggatct
1561 gagctcttgg  aaggtctgag  gctggatgtt  gctggtggtc  acaagcccat  gcaccttact
1621 atccaaactc  tcgcttggtc  tttgatccg  tgtgcttgg  ttacagacca  atggtttctc
1681 ggcccaggac  ccaagaagga  gctctacat  gggggaagga  accactggag  tttgaaggct
1741 cctgagagct  tggccttttt  actgttggg  tgtctcttaa  acctcctaat  actgagttgg
1801 ctacttttgg  tccctatttc  acaagggtta  ggacagatta  accaagaaa  gacaagtgc
1861 agagactgaa  aggggctgga  aaaacaaata  gggaaaggcc  tgtcacctac  ggtataattg
1921 atggttccta  tcacaagcct  ggatcacaaa  cagattaatt  tgttctatgt  ttatatactg
1981 tttagaatgt  taacacagga  aggtggataa  aatacagttt  ctagtgcct

```

The nucleotide sequence (SEQ ID NO:187) having GenBank accession number M61831

(human) is:

```

1  ctgaggccca  gcccccttcg  cccgtttcca  tcacgagtgc  cgccagcatg  tctgacaaac
61  tgccctacaa  agtcgccgac  atcggcctgg  ctgcctgggg  acgcaaggcc  ctggacattg
121 ctgagaacga  gatgccgggc  ctgatgcgta  tgcgggagcg  gtactcggcc  tccaagccac
181 tgaaggcgcg  ccgcatcgct  ggctgcctgc  acatgaccgt  ggagacggcc  gtccctcattg
241 agaccctcgt  caccctgggt  gctgaggtgc  agtgggccag  ctgcaacatc  ttctccaccc
301 agaaccatgc  ggcggtgctc  attgccaaag  ctggcattcc  ggtgtatgcc  tggaaaggcg
361 aaacggacga  ggagtacctg  tgggtcattg  agcagacct  gtacttcaag  gacgggcccc
421 tcaacatgat  tctggacgac  gggggcgacc  tcaccaacct  catccacacc  aagtaccgcg
481 agcttctgcc  aggcattccg  ggcattctct  aggagaccac  gactggggtc  cacaacctct
541 acaagatgat  ggccaatggg  atcctcaagg  tgcctggcat  caatgtcaat  gactccgtca
601 ccaagagcaa  gtttgacaac  ctctatggct  gccgggagtc  cctcatagat  ggcatcaagc

```

```

661 gggccacaga tgtgatgatt gccggcaagg tagcgggtggt agcaggctat ggtgatgtgg
721 gcaagggctg tgcccaggcc ctgcggggtt tcggagcccc cgtcatcatc accgagattg
781 accccatcaa cgcactgcag gctgccatgg agggctatga ggtgaccacc atggatgagg
841 cctgtcagga gggcaacatc tttgtcacca ccacaggctg tattgacatc atccttggcc
901 ggtaggtgcc agatgggggg tccccggggg tgagggagga gggcagagtt gggacagctt
961 tctgtccctg acaatctccc acggctcttg gctgcctgac aggcactttg agcagatgaa
1021 ggatgatgcc atttgtgtga acattggaca ctttgacgtg gagatcgatg tcaagtggct
1081 caacgagaac gccgtggaga aggtgaacat caagccgcag gtggaccggt atcggttgaa
1141 gaatgggctg cgcacatcc tgctggccga gggtcggctg gtcaacctgg gttgtgccat
1201 gggccacccc agcttcgtga tgagtaactc cttcaccaac caggatgatg cgagatcga
1261 gctgtggacc catccagaca agtacctcgt tggggttcat ttctgcccga agaagctgga
1321 tgaggcagtg gctgaagccc acctgggcaa gctgaatgtg aagttgacca agctaactga
1381 gaagcaagcc cagtacctgg gcatgtcctg tgatggcccc ttcaagccgg atcactaccg
1441 ctactgagag ccaggctctg gtttcacctt ccagctgctg tccttggcca ggccccacct
1501 ctctcccta agagctaag gcaccaactt tgtattggt ttgtcagtg ccccatcga
1561 ctctctggg ctgatcactt agtttttggc ctctgctgca gccgtcatac tgttccaaat
1621 gtggcagcgg gaacagagta ccctcttcaa gccccggtca tgatggaggt cccagccaca
1681 ggaaccatg agctcagtg tcttggaaac gctcactaag tcagtccttc cttagcctgg
1741 aagtcagtag tggagtcaca aagcccatgt gttttgcat ctaggccttc acctggtctg
1801 tggacttata cctgtgtgct tggtttacag gtccagtgg tcttcagccc atgacagatg
1861 agaaggggct atattgaagg gcaaagagga actgttgtt gaattttcct gagagcctgg
1921 cttagtgtg ggcttctct taaacctcat tacaatgagg ttagtacttt tagtccctgt
1981 ttacagggg ttagaataga ctgttaagg gcaactgaga aagaacagag aagtgcagc
2041 taggggttga gaggggccc aaaaacatga atgcaggcag atttcgtgaa atctgccacc
2101 actttataac cagatggttc ctttcacaac cctgggtcaa aaagagaata atttggccta
2161 taatgttaaa agaaagcagg aaggtgggta aataaaaaat ttggtgcctg g

```

The nucleotide sequence (SEQ ID NO:188) having GenBank accession number M61832 (human) is:

```

1 ggcccagccc ccttcgccc tttccatcac gagtgccgcc agcatgtctg acaaactgcc
61 ctacaaagtc gccgacatcg gcctggctgc ctggggacgc aaggccctgg acattgctga
121 gaacgagatg ccgggcctga tgctatgctg ggagcggtag tcggcctcca agccactgaa
181 gggcgcccgc atcgctggct gcctgcacat gaccgtggag acggcgtcc tcattgagac
241 cctcgtcacc ctgggtgctg aggtgcagtg gtccagctgc aacatcttct ccaccagga
301 ccatgcggcg gctgccattg ccaaggctgg cattccggtg tatgcctgga agggcgaaac
361 ggacgaggag tacctgtggt gcattgagca gacctgtac ttcaaggacg ggccccctca
421 catgattctg gacgacgggg gcgacctcac caacctcatc cacaccaagt acccgagct
481 tctgccaggc atccgaggca tctctgagga gaccacgact ggggtccaca acctctacaa
541 gatgatggcc aatgggatcc tcaaggtgcc tgccatcaat gtcaatgact ccgtcaccaa
601 gagcaagttt gacaacctct atggctgccg ggagtccttc atagatggca tcaagcgggc
661 cacagatgtg atgattgccg gcaaggtagc ggtggtagca ggctatggtg atgtgggcaa
721 gggctgtgcc caggccctgc ggggtttcgg agcccgcgtc atcatcaccg agattgacct
781 catcaacgca ctgcaggctg ccattggagg ctatgagggtg accaccatgg atgaggcctg
841 tcaggagggc aacatctttg tcaccaccac aggtgtattg gacatcatcc ttggccggca
901 ctttgagcag atgaaggatg atgccattgt gtgtaacatt ggacactttg acgtggagat
961 cgatgtcaag tggctcaacg agaacgccgt ggagaagggtg aacatcaagc cgagggtgga
1021 ccggtatcgg ttgaagaatg ggcgcgcgat catcctgctg gccgagggtc ggtggtcaa
1081 cctgggttgt gccatgggccc accccagctt cgtgatgagt aactccttca ccaaccaggt

```

1141 gatggcgag atcgagctgt ggacccatcc agacaagtac cccgttgggg ttcatttcct
1201 gccaagaag ctggatgagg cagtggctga agcccacctg ggcaagctga atgtgaagtt
1261 gaccaagcta actgagaagc aagcccagta cctgggcatg tcctgtgatg gccccttcaa
1321 gccggatcac taccgctact gagagccagg tctgcgtttc accctccagc tgctgtcctt
1381 gcccaggccc cacctctcct ccctaagagc taatggcacc aactttgtga ctggtttgtc
1441 agtgtcccc atcgactctc tggggctgat cacttagttt ttggcctctg ctgcagccgt
1501 catactgttc caaatgtggc agcgggaaca gactaccctc ttcaagcccc ggtcatgatg
1561 gaggtcccag ccacaggga ccatgagctc agtggctctg gaacagctca ctaagtcagt
1621 ccttccttag cctggaagcc agtagtggag tcacaaagcc catgtgtttt gccatctagg
1681 ccttcacctg gtctgtggac ttatacctgt gtgcttggtt tacaggcca gtggttcttc
1741 agcccatgac agatgagaag gggctatatt gaagggcaaa gaggaactgt tgtttgaatt
1801 ttcttgagag cctggcttag tgctgggcct tctcttaaac ctcattacaa tgaggtagt
1861 acttttagtc cctgttttac aggggttaga atagactgtt aaggggcaac tgagaaagaa
1921 cagagaagtg acagctaggg gttgagaggg gccagaaaaa catgaatgca ggcagatttc
1981 gtgaaatctg ccaccacttt ataaccagat ggttcctttc acaaccctgg gtcaaaaaga
2041 gaataatttg gcctataatg ttaaaagaaa gcaggaagggt ggg